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(54) TRANSMISSION SYSTEM FOR MEDICAL IMAGE DATA

(57)Abstract:

PURPOSE: To freely set the frame length of the transmission data in response to the data transmission performance and to shorten the data transmission time by performing the comparison of the communication buffer capacity between the devices of the transmission and reception sides and then deciding the frame length of the transmission data based on the result of the comparison.

CONSTITUTION: A device 11 of the transmission side transmits the capacity of a transmission buffer memory 18a to a device 12 of the reception side at the start of transmission of the medical image data. Then the frame length of the transmission data is decided based on the result of comparison carried out between the capacity of the memory 18a and the capacity of a reception buffer memory 19a of the device 12 which is transmitted in response to the transmission of the capacity of the memory 18a. Meanwhile the device 12 also sends the capacity of the memory 19a back to the device 11 in response to the capacity of the memory 18a sent from the device 11 and decides the frame length of the reception data based on the result of comparison carried between the capacities of both memories 18a and 19a. Thus the frame length of the transmission data is automatically set in response to the mutual data transmission performance between both devices 11 and 12. At the same time, the data transmission time is shortened.

